

INDEX TO VOLUME 47

AUTHOR AND TITLE INDEX

- ADAMS, A. PAUL, N. SANDAR and D. C. NELSON. Some properties of soils affecting russet scab and silver scurf of potatoes, 49-57
- AKELEY, R. V., *see* STEVENSON, F. J.
- ALDEFER, RUSSELL. Book Review: Sprinkler irrigation, 71
- ALDEFER, RUSSELL. Book review: Soil biology, reviews of research, 454
- ANDERSON, P. D., *see* EASTON, G. D.
- ASHWORTH, FRED L. Some observations on seven disease resistant potatoes, 68-70
- BAILEY, D. L., *see* EASTON, G. D.
- BAGNALL, R. H., *see* SINGH, R. P.
- BARMINGTON, R. D., *see* HARRISON, M. D.
- BEALE, W. L., *see* STEVENSON, F. J.
- BLACK, W. The nature and inheritance of field resistance to late blight (*Phytophthora infestans*) in potatoes, 279-288
- BRETZLOFF, CARL W. Some aspects of cooked potato texture and appearance II. Potato cell size stability during cooking and freezing, 176-181
- BROWN, MILFORD S. and JO ANNE W. MORALES. Determination of blanching conditions for frozen par-fried potatoes, 321-325
- CAMPBELL, JOHN C. and DONALD A. YOUNG. Raritan, a potato with high specific gravity, 264-267
- CAMPBELL, J. C. Book review: The history and social influence of the potato, 411
- CAMPBELL, J. C. Book review: Selecting, exhibiting and judging potatoes, 454
- CAMPBELL, J. C. Book review: Proceedings of the Fourth Triennial Conference of the European Association for Potato Research 1970, 497
- CARRETO-H, H., *see* DELGADO-SANCHEZ
- CHAMBERLAND, EMILE. Bicarbonate of potassium, a new fertilizer for potatoes, 294-303
- CUNNINGHAM, CHARLES E. Book reviews: Dictionary of technical terms relating to the potato and Potato research in Europe, 272-273
- CUNNINGHAM, HELEN H. and MARY V. ZAEHRINGER. Measurement of color in potatoes, 195-200
- DELGADO-SANCHEZ, S., H. MONTELONGO-ESCOBEDO and H. CARRETO-H. Evaluation of a new approach in potato breeding in Mexico, 209-213
- DUTT, B. L., *see* SAHAI, DEVENDRA
- EASTON, GENE D. Systemic insecticides, soil fumigation, and nitrogen fertilization for verticillium wilt control, 419-426
- EASTON, G. D., R. C. MAXWELL, C. R. OLDENBURG and P. D. ANDERSON. Terraclor (PCNB) for control of *Rhizoctonia solani* II. PCNB residues in tubers, 430-434
- EASTON, G. D., M. E. NAGLE and D. L. BAILEY. Potato seed piece treatment in Washington, 469-474
- FERNOW, K. H., L. C. PETERSON and R. L. PLAISTED. Spindle tuber virus in seeds and pollen of infected potato plants, 75-80
- FINNIE, R. E., *see* SINGH, R. P.
- FITZPATRICK, THOMAS J., *see* TALLEY, EUGENE A.
- FOILES, L. L., *see* ONSAGER, JEROME A.
- FORBES, A. R., *see* WRIGHT, N. S.
- FREDRICKS, A. L. and H. N. METCALF. Potato blackleg disease, 337-343
- FRENCH, E. R., *see* SEMINARIO, BETTY
- GILBERT, SEYMOUR G. Book review: Food packaging, 272
- GOVEN, M. J., *see* MURPHY, H. J.
- GREIG, J. K., *see* MOTES, J. E.

- HANSEN, J. C., *see* SOLTANPOUR, P. N.
- HARRISON, M. D., GESTUR JOHNSON and R. D. BARMINGTON. Comparison of two methods of PCNB application for control of *Rhizoctonia* infection of potatoes, 386-393
- HARRISON, MONTY D. and JAMES R. VENETTE. Chemical control of potato early blight and its effect on potato yield, 81-86
- HAUTALA, E., *see* REEVE, R. M., *also* WEAVER, M. L.
- HEIL, R. D., *see* SOLTANPOUR, P. N.
- HEISLER, E. G., S. KRULICK, J. SICILIANO, W. L. PORTER and J. W. WHITE, JR. Potato starch factory waste effluents, I Recovery of potassium and other inorganic cations, 326-336
- HOFF, J., *see* WILCOX, GERALD E.
- HOLSTAD, N. M., *see* KUNKEL, R.
- HOYMAN, WM. G. Cascade: a new variety for the processing of french fries, 261-263
- HOYMAN, WM. G. Orrin C. Turnquist honored, 348-349
- HUGHES, E. C., *see* WORT, D. J.
- HUNTER, DARRELL, *see* STEVENSON, F. J.
- ISLEIB, DONALD. Honorary life membership nominations requested, 182
- JASWAL, A. S. Effects of various chemical blanchings on the texture of french fries, 13-18
- JASWAL, A. S. Disodium dihydrogen pyrophosphate blanch and the texture of french fries, 145-147
- JASWAL, A. S. Non-starch polysaccharides and the texture of french fried potato, 311-316
- JOHANSEN, R. H., *see* LANA, E. P.
- JOHNSON, GESTUR, *see* HARRISON, M. D.
- JOHNSON, G. R., *see* ZITNAK, A.
- JOHNSTON, F. B., E. KENKARS and A. C. NUNES. Starch and dry matter content of Netted Gem in relation to french-fry texture, 87-93
- JOHNSTON, G. R., R. G. ROWBERRY and L. F. MAINPRIZE. York, an early potato high in potato solids and adapted to organic soils, 201-204
- JONES, EDWARD D. Frank L. Clark honored, 344-345
- KENKARS, E., *see* JOHNSTON, F. B.
- KRULICK, S., *see* HEISLER, E. G.
- KUNKEL, R., M. L. WEAVER and N. M. HOLSTAD. Blackspot of Russet Burbank potatoes and the carbon dioxide content of soil and tubers, 105-117
- KUNKEL, R. George W. Woodbury honored, 350-351
- LANA, E. P., R. H. JOHANSEN and D. C. NELSON. Variation in specific gravity of potato tubers, 9-12
- LAUER, FLORIAN and ROY SHAW. A possible genetic source for chipping potatoes from 40 F storage, 275-278
- LAUER, FLORIAN I., *see* SEKIOKA, TERRY T.
- LEONE, IDA A. Book review: Air pollution proceedings of the First European Congress on the influence of air pollution on plants and animals, 318
- LINDSAY, W. L., *see* SOLTANPOUR, P. N.
- MACCARTHY, H. R., *see* WRIGHT, N. S.
- MACKINNON, J. P. Potato clones remain free from leaf roll virus after repeated attempts to infect them, 268-271.
- MACKINNON, J. P. Levels of leaf roll resistance in potato varieties and seedlings, 444.
- MAINPRIZE, L. F., *see* JOHNSTON, G. R.
- MANZER, F. E. Book review: Remote sensing — with special reference to agriculture and forestry, 228-229

- MAXWELL, R. C., *see* EASTON, G. D.
MONTCALF, H. N., *see* FREDRICKS, A. L.
MONTELONGO-ESCOBEDO, H., *see* DELGADO-SANCHEZ
MORALES, JO ANNE W., *see* BROWN, MILFORD S.
MOTES, J. E. and J. K. GREIG. Specific gravity, potato chip color and tuber mineral content as affected by soil moisture and harvest dates, 413-418
MUNRO, JAMES. Report of Triennial Conference of European Association for Potato Research, 183-184
MUNRO, JAMES. Report of the president of The Potato Association of America, 449-452
MUNRO, JAMES. Honorary life membership nominations requested, 453
MURPHY, H. J., M. J. GOVEN and W. D. SEWELL. Pre and early post-emergence weed control with Paraquat in potatoes, 252-255
NAGLE, M. E., *see* EASTON, G. D.
NELSON, D. C., *see* LANA, E. P., *also* ADAMS, A. PAUL
NELSON, D. C. Effect of planting date, spacing and potassium on hollow heart in Norgold Russet potatoes, 130-135
NIELSEN, L. W., *see* SEMINARO, BETTY
NUNES, A. C., *see* JOHNSTON, F. B.
O'BRIEN, MURIEL J., *see* SINGH, R. P.
O'KEEFE, R. B. Shurchip: a new scab resistant processing potato variety, 124-129
O'KEEFE, R. B. Sioux: a scab resistant red potato variety, 163-168
OLDENBURG, C. R., *see* EASTON, G. D.
ONSAGER, JEROME A. and L. L. FOILES. Relative efficiency of three methods for chemical control of Pacific coast wireworms in potatoes, 379-385
PAHARI, K. D., *see* SAHAI, DEVENDRA
PEEL, R. D., *see* SANFORD, L. L.
PETERSON, L. C., *see* FERNOW, K. H.
PETERSON, LEWIS E. and J. L. WEIGLE. Varietal response of potatoes to air conditioning irrigation, 94-98
PLAISTED, R. L., *see* FERNOW, K. H.
PORTER, WILLIAM L., *see* TALLEY, EUGENE A., *also* HEISLER, E. G.
PRESSEY, RUSSELL. Changes in sucrose synthetase and sucrose phosphate synthetase activities during storage of potatoes, 245-251
REEVE, R. M., E. HAUTALA and M. L. WEAVER. Anatomy and compositional variations within potatoes. III. Gross compositional gradients, 148-162
REEVE, R. M., *see* WEAVER, M. L.
RELYEA, A. J., *see* SOLTANPOUR, P. N.
REUSS, J. O., *see* SOLTANPOUR, P. N.
ROWBERRY, R. G., *see* JOHNSTON, G. R.
ROWE, P. R. The dimensions of existing solanum germ plasm collections, 205-208
SAHAI, DEVENDRA, B. L. DUTT and K. D. PAHARIA. Reactions of some wild and cultivated potato varieties to charcoal rot, 427-429
SAINI, G. R. Further studies on the effect of stones in potato yields, 227-228
SANDAR, N., *see* ADAMS, A. PAUL
SANFORD, L. L. and J. P. SLEESMAN. Genetic variation in a population of tetraploid potatoes: response to the potato leafhopper and the potato flea beetle, 19-34
SANDFORD, L. L. and R. D. PEEL. Genetic variation in a population of tetraploid potatoes: Tuber resistance to the tobacco flea beetle, 169-175
SAWYER, R. L. International development through commodity programs, 59-62
SCHOENLEBER, L. G. Field traps for monitoring insect flights, 63-67

- SEMINARIO, BETTY, E. R. FRENCH, y L. W. NIELSEN. Resistencia de tuberculos a las fusaria que afectan papa en el Peru. — Potato tuber resistance to fusaria affecting potatoes in Peru, 118-123
- SEWELL, W. D., *see* MURPHY, H. J.
- SHAW, ROY, *see* LAUER, FLORIAN
- SICILIANO, J., *see* HUSLER, E. G.
- SINGH, RUDRA P. Seed transmission of potato spindle tuber virus in tomato and potato, 225-226
- SINGH, R. P., R. E. FINNIE and R. H. BAGNALL. Relative prevalence of mild and severe strains of potato spindle tuber virus in eastern Canada, 289-293
- SINGH, R. P. and MURIEL J. O'BRIEN. Additional indicator plants for potato spindle tuber virus, 367-371
- SLEESMAN, J. P., *see* SANFORD, L. L.
- SMITH, ORA. Elmer Pifer honored, 346-347
- SOLBERG, MYRON. Book review: The technology of food preservation, 3rd. edition, 319
- SOLTANPOUR, P. N., J. O. REUSS, J. G. WALKER, R. D. HEIL, W. L. LINDSAY, J. C. HANSEN and A. J. RELYEA. Zinc experiments on potatoes in the San Luis Valley of Colorado, 435-443
- STEVENSON, F. J., R. V. AKELEY, DARRELL HUNTER and W. L. BEALE. Seminole: a new variety of potato combining good chipping characteristics with good field performance in Alabama, Florida and North Carolina, 35-38
- TALLEY, EUGENE A. and WILLIAM L. PORTER. Chemical composition of potatoes, VII. Relationship of the free amino acid concentrations to specific gravity and storage time, 214-224
- TALLEY, EUGENE A., THOMAS J. FITZPATRICK and WILLIAM L. PORTER. Chemical composition of potatoes, VIII. Effect of variety, location, and year of growth on the content of nitrogen compounds, 231-244
- TURNQUIST, ORRIN C. Production of certified seed potatoes by varieties—1969, 138-142
- TWOMEY, JAMES, *see* WORKMAN, MILTON
- VENETTE, JAMES R., *see* HARRISON, MONTY D.
- WALKER, J. G., *see* SOLTANPOUR, P. N.
- WALKOF, CHARLES. Chip color of the developing potato tuber, 43-48
- WEAVER, M. L. and E. HAUTALA. Study of hydrogen peroxide, potato enzymes and blackspot, 457-468
- WEAVER, M. L., E. HAUTALA and R. M. REEVE. Distribution of oxidase enzymes in potato tubers relative to blackspot susceptibility. I. Phenolases, 479-488
- WEAVER, M. L., *see* KUNKEL, R., *also* REEVE, R. M.
- WEIGLE, J. L., *see* PETERSON, LEWIS E.
- WHITE, J. W. JR., *see* HEISLER, E. G.
- WILCOX, GERALD E. and J. HOFF. Nitrogen fertilization of potatoes for early summer harvest, 99-102
- WOLFE, R. R. Book review: Physical properties of plant and animal materials, Volume 1, 364.
- WORKMAN, MILTON and JAMES TWOMEY. The influence of storage on the physiology and productivity of Kennebec seed potatoes, 372-378
- WORT, D. J. and E. C. HUGHES. Stimulation of tuber production of early potatoes by naphthenates, 394-396
- WRIGHT, N. S., H. R. MACCARTHY and A. R. FORBES. Epidemiology of potato leaf roll virus in the Fraser River delta of British Columbia, 1-8
- WRIGHT, N. S. Combined effects of potato viruses X and S on yield of Netted Gem and White Rose potatoes, 475-478
- YOUNG, DONALD A., *see* CAMPBELL, JOHN C.
- ZITNAK, A. and G. R. JOHNSTON. Glycoalkaloid content of B5141-6 potatoes, 256-260

SUBJECT INDEX

- Air conditioning by irrigation, 94
Alabama, Seminole performance in, 35
Amino acid concentration as related to specific gravity and storage time, 214
Anatomy and compositional variations of tubers, cell size, starch granule size and distribution, 148
Bicarbonate of potassium, a fertilizer for potatoes, 294
Blackleg disease, history and control reviewed, 337
Blackspot of Russet Burbank and carbon dioxide content of soil and tubers, 105
Blackspot, relationship with H_2O_2 , peroxidase and catalase, 457
Blackspot susceptibility relative to phenolases, 479
Blanching conditions for frozen par-fried potatoes, 321
Blanching, effects on french fries, 13, 145
Book reviews:
 Air pollution proceedings of First European Congress on the influence of air pollution on plants and animals, 318
 American Potato Yearbook, 1970, 365
 Controlling potato insects, 411
 Dictionary of technical terms relating to the potato, 272
 Food packaging, 272
 Fungicide and nematocide tests, 143
 History and social influence of the potato, 411
 Physical properties of plant and animal materials, Vol. I, 364
 Potato research in Europe, 272
 Proceedings of 4th Triennial Conference of European Association for Potato Research, 497
 Remote sensing for agricultural purposes, 228
 Selecting, exhibiting and judging potatoes, 454
 Soil biology, reviews of research, 454
 Sprinkler irrigation, 71
 Technology of food preservation, 3rd edition, 319
Breeding of potatoes in Mexico evaluated, 209
British Columbia, leaf roll in, 1
Canada, prevalence of strains of spindle tuber virus in, 289
Carbon dioxide content of soil and tubers and blackspot, 105
Cascade, a new variety for french fries, 261
Catechol oxidation as affected by H_2O_2 , 457
Cell size stability during cooking and freezing, 176
Certified seed production, by varieties in 1969 in U. S., 138
Charcoal rot, reaction of wild and cultivated varieties to, 427
Chemical blanchings effect on french fries, 13, 145
Chemical control of early blight, 81
Chemical control of Pacific coast wireworms, 379
Chemical composition of potatoes; relationship of free amino acid concentrations to specific gravity and storage time, 214
 effect of variety, location and year on content of nitrogen compounds, 231
Chemical seed piece treatment, 469
Chip color, 43
 as affected by soil moisture and harvest dates, 413
Chipping potato, Seminole, 35
 Shurchip, 124
 storage at 40 F, effect on, 275
Color measurement in cooked and raw potatoes, 195
Composition gradients of potato tubers, 148
Cooked potato texture and appearance, relation to cell size stability during cooking and freezing, 176

Delaware, golden nematode quarantine released in, 136

Diseases:

- blackleg, 337
- blackspot as related to H_2O_2 , peroxidase and catalase, 457
- blackspot as related to phenolases, 479
- blackspot of Russet Burbank, 105
- charcoal rot, reaction of varieties to, 427
- early blight control with chemicals, 81
- fusaria, resistance of potatoes to, in Peru, 118
- hollow heart as affected by planting date, spacing and potassium in Norgold Russet, 130
- late blight, nature and inheritance of field resistance to, 279
- late blight resistance in seven clones, 68
- leaf roll virus in British Columbia, 1
- leaf roll free clones, 268
- rhizoctonia control with PCNB, 386, 430
- russet scab affected by soil properties, 49
- scab resistance in Shurchip, 124
- scab resistance in Sioux, 163
- silver scurf affected by soil properties, 49
- spindle tuber virus in seeds and pollen, 75
- spindle tuber virus in Canada, 289
- spindle tuber virus, indicator plants for, 367
- verticillium wilt control, 419
- viruses X and S, effect on yields, 475

Disodium dihydrogen pyrophosphate blanch and texture of french fries, 145

Dry matter in Netted Gem, 87

Early blight control, 81

Epidemiology of leaf roll in British Columbia, 1

European Association for Potato Research. Triennial Conference report, 183

Fertilization with nitrogen, for early harvest, 99

nitrogen for verticillium wilt control, 419

with bicarbonate of potassium, 294

with zinc in Colorado, 435

Flea beetle, resistance to, in genetic variations in tetraploids, 19

Florida, Seminole performance in, 35

Fraser River delta, leaf roll virus in, 1

French fries

Cascade, a variety for processing of, 261

texture of, 13, 87, 145, 311

Frozen par-fried potatoes, determination of blanching conditions for, 321

Fumigation for verticillium wilt control, 419

Fusaria, resistance to, in Peru, 118

Fusarium spp., seed piece decay reduced by chemical treatment, 469

Genetic variations in tetraploid potatoes and resistance to potato leafhopper and potato

flea beetle, 19

resistance to tobacco flea beetle, 169

source for chipping potatoes from 40 F storage, 275

Genotype x environment interactions in variety tests, 304

Germ plasm collections of solanum species, 205

Golden nematode quarantine released in Delaware, 136

Glycoalkaloid content of B5141-6, 256

Hollow heart in Norgold Russet as affected by planting date, spacing and potassium, 130

Hydrogen peroxide, potato enzymes and blackspot, 457

Indicator plants for potato spindle tuber virus, 367

Insect traps, 63

- Insecticides, systemic, soil fumigation and nitrogen fertilization for verticillium wilt control, 419
- International development, 59
- Irrigation air conditioning, compared with usual irrigation, 94
- Kennebec seed, effect of storage on physiology and productivity of, 372
- Kennedy, Sam, obituary, 41
- Late blight, resistance of seven varieties to, 68
inheritance of field resistance to, 279
- Leaf hopper, resistance to, in genetic variations of tetraploids, 19
- Leaf roll virus, in British Columbia, 1
free clones, 268
resistance to, in potato varieties and seedlings, 444
- Lenape variety withdrawn, 103
- Mexico, evaluation of potato breeding in, 209
- Mineral content of tubers as affected by soil moisture and harvest dates, 413
- Napthenates, stimulation of tuber production by, 394
- Netted Gem, effect of viruses X and S on yield of, 475
- Netted Gem, starch and dry matter content of, in relation to french-fry texture, 87
- Nitrogen compounds, effect of variety, location and year of growth on, 231
- Nitrogen fertilization, 99
- Nitrogen fertilization for verticillium wilt control, 419
- Norgold Russet, hollow heart in, 130
- North Carolina, Seminole performance in, 35
- Oxidase enzymes relative to blackspot, 479
- PCNB application for rhizoctonia control, 386
- PCNB for control of rhizoctonia II, PCNB residues in tubers, 430
- Pacific coast wireworms, chemical control of three methods, 379
- Paraquat for weed control, 252
- P-cresol oxidation affected by H_2O_2 concentrations, 457
- Peru, potato tuber resistance to fusaria in, 118
- Peterson, Lester Carl, obituary, 363
- Phenolases, relationship to blackspot susceptibility, 479
- Physiology and productivity of Kennebec seed, influence of storage on, 372
- Phytophthora infestans*, field resistance to, 279
- Polysaccharides, non-starch, and texture of french fries, 311
- Potassium, effect of, on hollow heart, 130
- Potassium bicarbonate, a new fertilizer for potatoes, 294
- Potassium recovery from starch factory waste effluents, 326
- Potato Association of America, The
abstracts of papers presented at annual meeting, 352
annual meeting, call for papers for, 58, 104, 137
annual meeting highlights, 317
annual meeting program, 187
honorary life membership call for nominations, 182
honorary life members recognized:
Clark, Frank L., 344
Pifer, Elmer C., 346
Turnquist, Orrin C., 348
Woodbury, George W., 350
information for authors, 39, 73
minutes of executive committee and annual meetings, 397
pre-registration form for annual meeting, opposite 178
report of International Relations Committee, 405
report of President, 449
- Potato enzymes studied, 457

- Potato processing of pollutant eliminated by USDA process, 184
Production of early potatoes stimulated by naphthenates, 394
Raritan, a potato with high specific gravity, 264
Residues of PCNB in potato tubers, 430
Rhizoctonia control, comparison of PCNB application for, 386
San Luis Valley of Colorado, zinc experiments in, 435
Scab resistance in Shurchip, 124
Scab resistance in Sioux, 163
Seed piece treatment in Washington, 469
Seed, productivity of Kennebec, 372
Seed transmission of spindle tuber in tomato and potato, 225
Seminole: a chipping variety, 35
Shurchip: a scab resistant processing variety, 124
Solanum germ plasm collections, 205
Solids, high in York variety, 201
Spacing of seed, effect of, on hollow heart in Norgold Russet, 130
Specific gravity high in Raritan variety, 264
 as affected by soil moisture and harvest date, 413
 variation in several varieties in North Dakota, 9
 relationship of free amino acid concentration and storage to, 214
Spindle tuber virus, in seed and pollen, 75
 seed transmission of, 225
 strains of in eastern Canada, 289
 additional indicator plants for, 367
Starch content of Netted Gem, 87
Starch factory waste, recovery of potassium from, 326
Stones, effect of, on potato yields, 227
Storage, changes in sucrose during, 231
 chipping potatoes from 40 F, 275
 influence on physiology and productivity of Kennebec seed potatoes, 372
Sucrose synthetase and sucrose phosphate synthetase activities during storage, 245
Systemic insecticides for verticillium wilt control, 419
Tetraploid potatoes, resistance to leaf hopper and potato flea beetle in, 19
 resistance to tobacco flea beetle in, 169
Terraclor (PCNB) for rhizoctonia control and residues in tubers, 430
Texture of french fries, effects of chemicals on, 13, 87, 145,
 of cooked potatoes, 176
 of french fries and non-starch polysaccharides, 311
Tobacco flea beetle, resistance to, in tetraploid potatoes, 169
Tyrosine oxidation affected by H_2O_2 concentration, 457
Utilization of potatoes — 1969, 447
Varieties
 Abnaki, for the Northeast resistant to leaf roll and verticillium wilt, 229
 B5141-6, glycoalkaloid content of, 256
 Cascade, for processing of french fries, 261
 Lenape, withdrawn, 103
 Netted Gem, effect of viruses X and S on yield of, 475
 Netted Gem, starch and dry matter content, related to french-fry texture, 87
 Norgold Russet, hollow heart in, 130
 Raritan, high in specific gravity, 264
 Russet Burbank, blackspot related to carbon dioxide in, 105
 Seminole, for chipping quality and yield, 35
 Shurchip, a scab resistant processing variety, 124
 Sioux, a scab resistant red variety, 163
 White Rose, effect of viruses X and S on yield of, 475
 York, an early variety with high solids, 201

- Variety tests, estimates of genotype x environment interactions in, 304
Verticillium wilt control with systemic insecticides, soil fumigation and nitrogen fertilization, 419
Verticillium wilt resistance in Abnaki, 229
Virus
 leaf roll in British Columbia, 1
 leaf roll free clones after attempts to infect them, 268
 leaf roll, levels of resistance in potatoes to, 444
 leaf roll, resistance in Abnaki, 229
 spindle tuber, in seeds and pollen, 75
 spindle tuber, transmission through seed, 225
 strains in eastern Canada, 289
 additional indicator plants for, 367
 X and S, effect on yield of Netted Gem and White Rose, 475
Washington, seed piece decay controlled by chemical treatment, 469
Weed control with Paraquat, 252
White Rose, effect of viruses X and S on yield of, 475
Wireworms, Pacific coast, chemical control of, 379
York, an early variety high in total solids, adapted to organic soils, 201
Zinc experiments in the San Luis Valley of Colorado, 435

THIRD ANNUAL SEED CONFERENCE

SEED CERTIFICATION SECTION OF THE POTATO ASSOCIATION OF AMERICA

The Third Annual Seed Potato Conference of the Seed Certification Section of The Potato Association of America will be held Tuesday and Wednesday, February 16 and 17, 1971, at the Ramada Inn, 3737 Quebec Street, Denver, Colorado.

The Ramada Inn is about two miles from Stapleton Airport.

Room reservations should be made with the Inn at least two weeks before the Conference.

Topics currently on the agenda include, "Guidelines for Determining Varieties," "the Canadian Licensing System," "Breeders' rights," "National Seed Potato Grade" and "Winter Testing Programs."

R. W. Chase, Chairman
Certification Section, PAA